

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1056	(( carbon graphite graphitic) near2 (fibril nanotube microfiber nanofiber) MWNT MWCNT SWNT SWCNT) and (( fibril nanotube microfiber nanofiber MWNT MWCNT SWNT SWCNT) near5 (dispersion ink paint) (conductive electro\$2conductive) adj2 (ink paint)) and (solvent vehicle)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 22:42
S2	396	S1 and ((oxidized oxidation) with ( fibril nanotube nanofiber microfiber MWNT MWCNT SWNT SWCNT) free near5 carbon)	US-PGPUB; USPAT	OR	ON	2008/01/06 22:44
S3	171	S1 and aggregate with (bird adj nest BN combed adj yarn CY rope cotton adj candy CC)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 22:44
S4	137	S2 and S3	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 22:45
S5	272	S1 and (252/500,502,506.ccls. 423/447.1,447.2,447.3,447.6, 445B.ccls. 106/31.29,31.13,21.28,31.95.ccls. 428/357,209,323, 367,981.ccls. 361/751,303,301.5.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 22:48
S6	158	S2 and S5	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 22:48
S7	76	S3 and S5	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 22:49
S8	64	S4 and S5	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 22:49
S9	31	S5 and (high adj boiling DEGBE propylene adj glycol glycol\$3 adj ether diethyleneglycol adj monobutylether butyl adj carbitol butyrolactone dibasic adj ester diglyme octanol cellosolve\$ butoxyethanol) same solvent	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 22:52
S10	18	S5 and (vinyl adj (chloride acetate alcohol) acrylate acrylic cellulose butyraldehyde) same (binder)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 22:56
S11	36	S5 and (NMP DMAc DMSO methylpyrrolidone dimethylacetamide dimethylsulfoxide) same solvent	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 22:58
S12	135	S5 and (filter\$2 filtration centrifug\$7) with (nanotube nanofiber microfiber SWNT MWNT)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 22:59
S13	37	(S2 S5) and supercapacitor	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 23:00
S14	3	(S2 S5) and printed near5 resistor	US-PGPUB; USPAT	OR	ON	2008/01/06 23:01
S15	23	(S2 S5) and field adj emission adj cathode	US-PGPUB; USPAT	OR	ON	2008/01/06 23:01
S16	3	(S2 S5) and printed near5 capacitor	US-PGPUB; USPAT	OR	ON	2008/01/06 23:02
S17	26	(ink or paint or coating dispersion) and carbon near3 (fibril or nanotube or microfiber or nanofiber) and (oxidized free near5 carbon)	EPO; JPO; DERWENT	OR	ON	2008/01/06 23:02
S18	15	(Hyperion.as. catalyst.as.) and (conductive or electro\$1conductive nanotube fibril) adj (ink paint coating ) and ((Graphit\$3 carbon )near3 (fibril or nanotube or microfiber nanofiber) SWNT MWNT)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/06 23:03
S19	14	("5853877" "5098771" "5908585" "5286415" "5578901" "6106599" "20030122111").did.	US-PGPUB; USPAT; DERWENT	OR	ON	2008/01/06 23:03

# Glycol ethers

From Wikipedia, the free encyclopedia

**Glycol ethers** are a group of solvents based on alkyl ethers of ethylene glycol, also sometimes called Cellosolve. These solvents typically have higher boiling point, together with the favorable solvent properties of lower molecular weight ethers and alcohols. The original glycol ether is ethyl cellosolve.

Glycol ethers can be also derived of diethylene glycol (carbitols). Acetates of glycals are a similar kind of potent solvents.

Glycol ether solvents include:

- Ethylene glycol monomethyl ether (2-methoxyethanol,  $\text{CH}_3\text{OCH}_2\text{CH}_2\text{OH}$ )
- Ethylene glycol monoethyl ether (2-ethoxyethanol,  $\text{CH}_3\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$ )
- Ethylene glycol monopropyl ether (2-propoxyethanol,  $\text{CH}_3\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$ )
- Ethylene glycol monoisopropyl ether (2-isopropoxyethanol,  $(\text{CH}_3)_2\text{CHOCH}_2\text{CH}_2\text{OH}$ )
- Ethylene glycol monobutyl ether (2-butoxyethanol,  $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$ ), a widely used solvent in paintings and surface coatings, cleaning products and inks
- Ethylene glycol monophenyl ether (2-phenoxyethanol,  $\text{C}_6\text{H}_5\text{OCH}_2\text{CH}_2\text{OH}$ )
- Ethylene glycol monobenzyl ether (2-benzylxyethanol,  $\text{C}_6\text{H}_5\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$ )
- Diethylene glycol monomethyl ether (2-(2-methoxyethoxy)ethanol, methyl carbitol,  $\text{CH}_3\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$ )
- Diethylene glycol monoethyl ether (2-(2-ethoxyethoxy)ethanol, carbitol cellosolve,  $\text{CH}_3\text{CH}_2\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$ )
- Diethylene glycol mono-n-butyl ether (2-(2-butoxyethoxy)ethanol,  $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$ )

Dialkyl ethers:

- Ethylene glycol dimethyl ether (dimethoxyethane,  $\text{CH}_3\text{OCH}_2\text{CH}_2\text{OCH}_3$ ), a higher boiling alternative to diethyl ether and THF, also used as a solvent for polysaccharides, a reagent in organometallic chemistry and in some electrolytes of lithium batteries
- Ethylene glycol diethyl ether (diethoxyethane,  $\text{CH}_3\text{CH}_2\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_3$ )

- Ethylene glycol dibutyl ether (dibutoxyethane,  $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ )

Esters:

- Ethylene glycol methyl ether acetate (2-methoxyethyl acetate,  $\text{CH}_3\text{OCH}_2\text{CH}_2\text{OCOCH}_3$ )
- Ethylene glycol monethyl ether acetate (2-ethoxyethyl acetate,  $\text{CH}_3\text{CH}_2\text{OCH}_2\text{CH}_2\text{OCOCH}_3$ )
- Ethylene glycol monobutyl ether acetate (2-butoxyethyl acetate,  $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OCOCH}_3$ )

Retrieved from "[http://en.wikipedia.org/wiki/Glycol\\_ETHERS](http://en.wikipedia.org/wiki/Glycol_ETHERS)"

Categories: Glycol ethers | Alcohols | Solvents

■ This page was last modified 13:03, 25 July 2007.  
■ All text is available under the terms of the GNU Free Documentation License. (See **Copyrights** for details.)  
Wikipedia® is a registered trademark of the Wikimedia Foundation, Inc., a U.S. registered 501(c)(3) tax-deductible nonprofit charity.